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AMSAT NEWS SERVICE
ANS-078

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The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to: ans-editor [at] amsat [dot] org.

You can sign up for free e-mail delivery of the AMSAT News Service Bulletins via the ANS List; to join this list see: https://mailman.amsat.org/postorius/lists/ans.amsat.org/

ANS-078 AMSAT News Service Weekly Bulletins

To: All RADIO AMATEURS
From: Radio Amateur Satellite Corporation
712 H Street NE, Suite 1653
Washington, DC 20002

DATE 2023 Mar 19

AMSAT at Dayton Hamvention - Call for Volunteers

It's less than eight weeks away when Amateur Radio's biggest event of the year happens at the Greene County Fairgrounds in Xenia, Ohio. That's right, May 19-20 is Hamvention time when over 30,000 of our closest friends get together to get a first hand look at the latest products and to catch up with friends from around the world.

With over 1,200 square feet of exhibit space, AMSAT is a major Hamvention exhibitor with displays from Engineering, Operations, Educational Relations, the AMSAT Store and much more. Last year in 2022, about 35 people assisted with the AMSAT booth. It was the efforts of those volunteers that made the 2022 Dayton Hamvention a success for AMSAT. The interaction with AMSAT members, satellite operators, designers, and builders makes the whole experience a lot of fun.

Would you consider helping AMSAT at the Hamvention this year? Whether you're available for only a couple of hours or if you can spend the entire weekend with us, your help would be greatly appreciated.

If you will be attending Hamvention and can help, please send an e-mail to Phil Smith, W1EME, AMSAT Hamvention Coordinator via w1eme [at] amsat [dot]org.

[ANS thanks Phil Smith, W1EME, AMSAT Hamvention Coordinator for the above information.]

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[ANS thanks the IARU for the above information.]

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from our Zazzle store!
25% of the purchase price of each product goes
towards Keeping Amateur Radio in Space
https://www.zazzle.com/amsat_gear

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Hamfests, Conventions, Maker Faires, and Other Events

AMSAT Ambassadors provide presentations, demonstrate communicating through amateur satellites, and host information tables at club meetings, hamfests, conventions, maker faires, and other events.

AMSAT Ambassador Clint Bradford K6LCS has a few satellite presentations scheduled …

- Nashville, Tennessee - April 20
- England, May 11
- Ohio - Students - ISS-specific, May 8

Think a 90-minute lively, informative, and fun “How to Work the Easy Satellites” Zoom presentation would be appropriate for your convention or club? Always included are overviews of the ARRL, AMSAT, and ARISS. And pre-presentation questions are welcome.

[ANS thanks the AMSAT Events page for the above information]

Satellite Shorts From All Over

+ The national ham organization EARS of the United Arab Emirates runs the special event station A60AP with additional designators /0 to /15 to mark their country's astronaut program. They remain active until the end of August. More information at https://www.mbrsc.ae/service/astronaut_prog. [ANS thanks JoAnne Maenpaa, K9JKM for the above information.]

+ NASA is awarding more than $3.8 million to 21 museums, science centers, and other informal education institutions for projects designed to bring the excitement of space science to communities across the nation and broaden student participation in STEM (science, technology, engineering, and mathematics). Projects were selected for NASA’s Teams Engaging Affiliated Museums and Informal Institutions (TEAM II) program and TEAM II Community Anchor Awards. The selected projects will engage their communities in a wide variety of STEM topics, from aeronautics and Earth science to human space exploration. More information including a complete list of the organizations receiving funds is available at https://tinyurl.com/ANS-078-NASA-STEM. [ANS thanks SpaceRef.com for the above information.]

+ What time is it on the moon? A new era of lunar exploration is on the rise, with dozens of Moon missions planned for the coming decade. Europe is in the forefront here, contributing to building the Gateway lunar station and the Orion spacecraft – set to return humans to our natural satellite – as well as developing its large logistic lunar lander, known as Argonaut. As dozens of missions will be operating on and around the Moon and needing to communicate together and fix their positions independently from Earth, this new era will require its own time. Timing is a crucial element, adds ESA navigation system engineer Pietro Giordano: "During this meeting at ESTEC, we agreed on the importance and urgency of defining a common lunar reference time, which is internationally accepted and towards which all lunar systems and users may refer to. A joint international effort is now being launched towards achieving this.” More information at https://tinyurl.com/ANS-078-Lunar-Time. [ANS thanks the ESA for the above information.]

+ Looking for a fun project for that 3D printer sitting in your workshop? Look no further than Relativity Space in California for inspiration. Their Terran 1 will try to become the first 3D-printed, methane-fueled rocket to reach orbit. “There are a number of firsts here potentially on this rocket,” said Josh Brost, vice president of revenue operations at Relativity Space. “It has the chance of being the first liquid natural gas / liquid oxygen rocket to make it to orbit. It has, by far, the highest 3D-printed content of any rocket in history. We’re sitting at about 85% by mass, where I don’t think any other rocket has gone past maybe 4%.” Compared to a traditional rocket that has more than 100,000 parts, this 3D-printed rocket has less than 1,000 parts. After two aborted launches this month, Relativity Space is poised for another try on March 22. More information at https://spaceflightnow.com/2023/03/11/relativity-space-terran-1-glhf/. [ANS thanks Spaceflight Now for the above information.]

Join AMSAT today at https://launch.amsat.org/

In addition to regular membership, AMSAT offers membership to:

* Societies (a recognized group, clubs or organization).
* Primary and secondary school students are eligible for membership at one-half the standard yearly rate.
* Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status.
* Memberships are available for annual and lifetime terms.

Contact info [at] amsat.org for additional membership information.

73 and remember to help Keep Amateur Radio in Space!

This week's ANS Editor, Frank Karnauskas, N1UW
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